SUBJECT INDEX TO VOLUME 30, 1984

[A]

accumulator model 389
Acetobacter (*Gluconoacetobacter*) *liquefaciens* 297
Acetobacter (*Gluconoacetobacter*) *liquefaciens*, restriction enzymes of 309
Acetobacter liquefaciens 297
Acetobacter liquefaciens, restriction enzymes of 309
Acetobacter (*Gluconoacetobacter*) *xylinum*. .297
Acetobacter xylinum 297
Actinomycetales 377
Actinosynnema 461
activated sludge 53
acyl type of bacterial cell wall 131
adsorption of *T. ferrooxidans* 63
aerial spore 223
aflatoxinin hibition in *S. typhi*, *E. coli* 419
algophorous amoeba 411
allosteric enzyme 27
ammonia assimilation 499
ammonium transport 267
auxotrophic mutant 489

[B]

Bacillus megaterium 317
Bacillus subtilis 109, 177
bacteriostatic effect 151
Bacteroides fragilis 499
bacterial chemotaxonomy 131
Bifidobacterium bifidum 187
B2-level host 177

[C]

cadmium inhibition of NH_4^+ and PO_4^{3-} uptake in *Anacystis* 79
calorimetry, glucose catabolism *Streptococcus agalactiae*.....329
Candida maltosa 489
Candida wickerhamii 509
cell cycle, yeast 257
cell fusion 489
cellodextrin hydrolysis 509
cellulose-decomposing microorganisms ... 1
cell wall components 223
charge and discharge of electron 389
cloning of *B. subtilis aroI*$^+$ and *tmrB* genes 15
cloning of *his* gene in actinophage 405
cloning of *his* gene of *Streptomyces* 405
coenzyme Q, of *Itersonilia* species 313
coir decomposition.....245
Conidiobolus obscurus 135
consensus sequence for *ARS* 469
corynebacteria..... 87

[D]

differential scanning calorimetry of plasmid DNA 289
dnaA gene 347
DNA content 489
DNA replication 347
DNA stability in *B. subtilis* during cloning 15

[E]

effects of sucrose 187
electrophoresis of enzymes 277
electrophoretic comparison of enzymes in, *Gluconohacter* species.....115
electron transport from microorganisms ..389
enzyme purification from overproducing strain 27
enzyme systems.....509
Erwinia carotovora 167
Escherichia coli.....27, 35, 347, 389
Escherichia coli, *Salmonella typhi* inhibition by aflatoxin 419
evolutionary distance 359

[F]

fatty acid synthase 87
Fellomyces gen. nov. 523
Fellomyces nectairii comb. nov. 523
Fellomyces penicillatus comb. nov. 523
Fellomyces polyborus comb. nov. 523
flagella formation 461

[G]

genetics, Rhizopus 337
Gluconoacetobacter, a new subgenus 297

SUBJECT INDEX TO VOLUME 30, 1984

Gluconobacter cerinus sp. nov. nom. rev. 115
Gluconobacter oxydans, electrophoretic comparison of enzymes in 115
Gluconobacter species, electrophoretic comparison of enzymes in 115
glutamate synthase 499
glutamate dehydrogenase 499
glutamine synthetase 499
glycolate test, an improved method 131
gram-negative bacteria 1
gram-positive bacteria 1
growth kinetic analysis 151

[H]

host-vector system 177
hydrophobic chromatography 27
hydrophobicity 35

[I]

inhibitory effects of aflatoxin B_1 419
insertion element 359
ion exchange resin 389
iron-oxidizing bacteria 63
IS1 359
isocitrate dehydrogenase isozymes 479
Itersonilia species, coenzyme Q of 313

[K]

Kitasatosporia 223, 377

[L]

L-form growth 187
liquid-liquid interface 35

[M]

macrocyst formation 97
Marinococcus 449
Marinococcus albus 449
Marinococcus halophilus 449
melting of plasmid DNA 289
membrane protein 97
menaquinone 197
6-methoxymellein 43
mitochondrial *ARS* 469
molecular evolution 359
motile cells 461
multimodal transition of DNA 289

[N]

n-alkane-utilizing yeast 231
new species 377
nitrate assimilation 317
nitrate reductase, assimilatory 317
nitrifying bacteria 151
nitrogen fixation 267
Nostoc muscorum 267
nuclearia simplex 411
nucleotide sequence of mt*ARS* 469

[O]

ori/*rep* sequence 469

[P]

partially methylated polygalacturonate 167
pectate lyase 167
penicillin-protoplast 187
pH-glucose catabolism, *Streptococcus agalactiae* 329
phosphoenolpyruvate carboxylase 27
photoinhibition 151
phototrophic bacteria 197, 435
Physarum polycephalum 97
physical map around the *B. subtilis aroI*$^+$ gene regions 15
phytoalexin 43
Planococcus citreus 449
plasmid pSC101 347
ploidy 489
prey of amoeba 411
protoplast formation and regeneration in pock-forming *Streptomyces* 305
protoplast formation and regeneration in *Streptomyces* 305
protoplast formation and regeneration in *Streptomyces azureus* 305
protoplast formation and regeneration in *Streptomyces coerulescens* 305
protoplast formation and regeneration in *Streptomyces endus* 305
Pseudomonas hydrogenovora 317
Pseudomonas maltophilia 277
psychrophilic bacteria 479
pyrite oxidation 63

[Q]

quinone composition 197, 435

[R]

recovery form photoinhibition 151
reducing sugar 1

replication origin 347
respiratory activity 231
restriction enzymes, distribution of 309
restricition enzymes, of *Acetobacger* (*Gluconoacetobacter*) *liquefaciens*.....309
Rhizopus microsporuz 337
Rhizopus stolonifer 337
Rhodospirillaceae 435
rhodoquinone 435
Rhodospirillaceae 197
Rhodosporidium diobovatum 527
Rhodosporidium toruloides 257
Rhodotorula glutinis 527

[S]

Saccharomyces cerevisiae.....249
soil bacterial flora 1
spheroplast 231
spores 109
spore germination 109
spore resistance.....223
Sterigmatomyces emend. 523
Sterigmatomyces tursiopsis 523
Streptococcus agalactiae-anaerobic, aerobic glucose catabolism 329
subcloning of mt*ARS* 469
submerged spore.....223
substrate specificity 231
surface tension 35
survey of alkaline phosphatase in rhizobia 127

[T]

taxonomy.....377
Thiobacillus ferrooxidans 63
tolerance 43
transfection of actinophage DNA 405
transfection system in *Streptomyces* 405
transposon 359

[U]

ubiquinone 197
ubiquinone, of *Itersonilia* species 313

[V]

Vibrio sp. strain ABE-1 479

[W]

wine-making 249